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CANNED FISH & BYPRODUCTS — 1959

U. S. Department of The Interior
Fish and Wildlife Service

United States,
American Samoa,
Puerto Rico

Bureau of Commercial Fisheries
Washington 25, D. C.

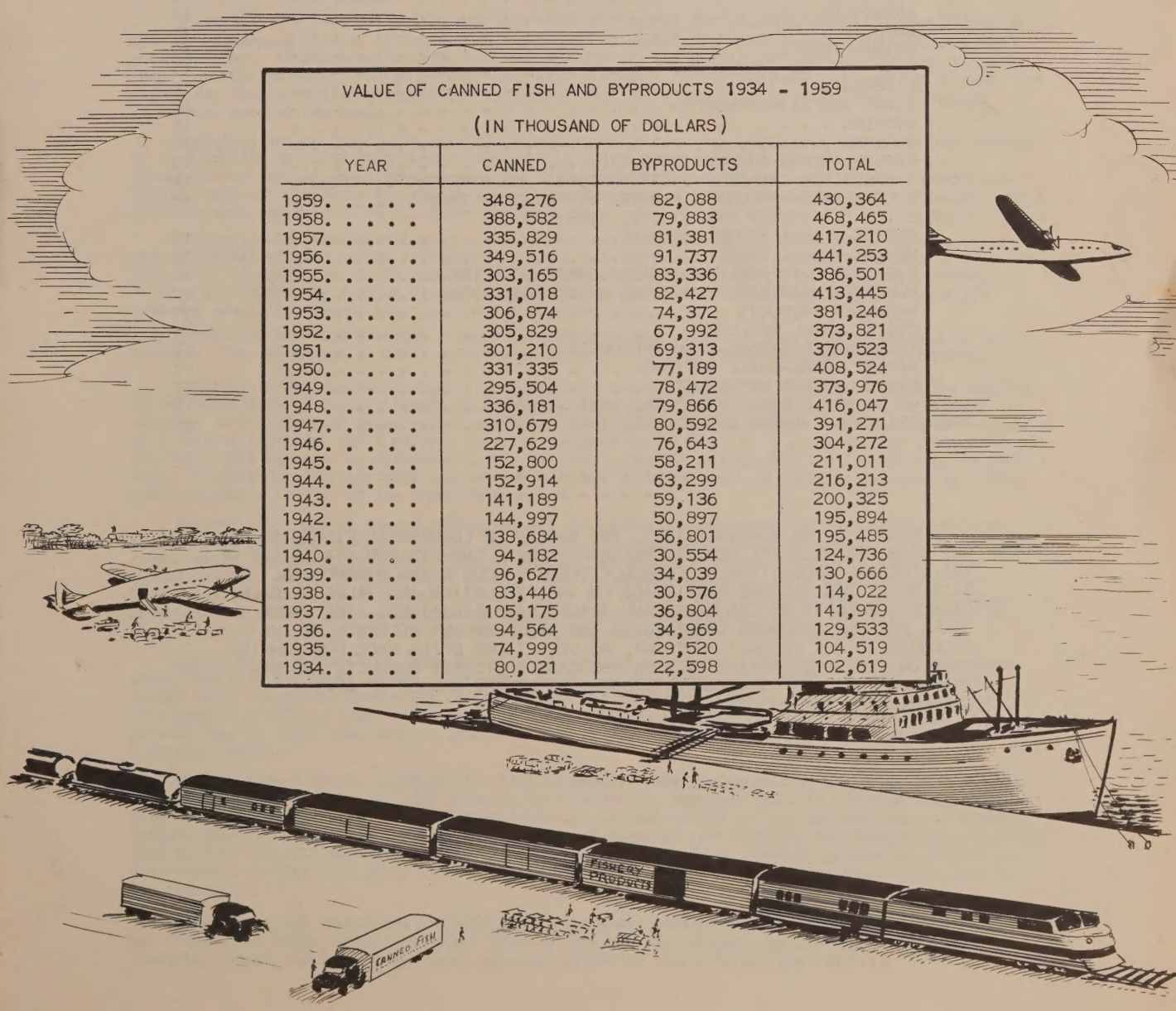
C. F. S. No. 2273

Annual Summary

VALUE OF CANNED FISH AND BYPRODUCTS 1934 - 1959

(IN THOUSAND OF DOLLARS)

YEAR	CANNED	BYPRODUCTS	TOTAL
1959.	348,276	82,088	430,364
1958.	388,582	79,883	468,465
1957.	335,829	81,381	417,210
1956.	349,516	91,737	441,253
1955.	303,165	83,336	386,501
1954.	331,018	82,427	413,445
1953.	306,874	74,372	381,246
1952.	305,829	67,992	373,821
1951.	301,210	69,313	370,523
1950.	331,335	77,189	408,524
1949.	295,504	78,472	373,976
1948.	336,181	79,866	416,047
1947.	310,679	80,592	391,271
1946.	227,629	76,643	304,272
1945.	152,800	58,211	211,011
1944.	152,914	63,299	216,213
1943.	141,189	59,136	200,325
1942.	144,997	50,897	195,894
1941.	138,684	56,801	195,485
1940.	94,182	30,554	124,736
1939.	96,627	34,039	130,666
1938.	83,446	30,576	114,022
1937.	105,175	36,804	141,979
1936.	94,564	34,969	129,533
1935.	74,999	29,520	104,519
1934.	80,021	22,598	102,619



CANNED FISH & BYPRODUCTS, 1959

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SOURCE OF DATA--SINCE 1921, THE BUREAU OF COMMERCIAL FISHERIES OF THE FISH AND WILDLIFE SERVICE HAS MADE ANNUAL SURVEYS FOR STATISTICS OF THE DOMESTIC PRODUCTION OF CANNED FISHERY PRODUCTS AND BYPRODUCTS. THE DATA COLLECTED INCLUDE STATISTICS ON THE PRODUCTION AND VALUE OF EACH CANNED COMMODITY BY CAN SIZES AND TRADE CLASSIFICATIONS. THE VALUE SHOWN FOR THE PRODUCTS CONSTITUTES THE GROSS AMOUNT RECEIVED BY THE PRODUCER AT THE PRODUCTION POINT, NO DEDUCTIONS BEING MADE FOR COMMISSION OR EXPENSES. STATISTICS ON THE CANNED FISHERY PRODUCTS AND BYPRODUCTS PRODUCED IN ALASKA ARE OBTAINED BY THE BRANCH OF ALASKA FISHERIES OF THE BUREAU.

INTRODUCTION

There was a noticeable decrease in the pack of canned fishery products produced in the United States, American Samoa, and Puerto Rico in 1959. The total pack of 32 million cases (975 million pounds) valued at 348 million dollars to the packers was 2.7 million cases (125 million pounds) and 40 million dollars less than in the previous year. Both the pack for human consumption and for animal food and bait were down. Small gains made in the packs of tuna, mackerel, clam products, crabmeat, and oysters were insufficient to overcome large declines in the packs of salmon and sardines (Maine and Pacific) and lesser declines in the packs of animal food, shrimp, and anchovies.

Tuna:--The 1959 pack established a new record of 14.3 million cases. The domestic catch was less than in 1958 but an astonishing increase in imports of frozen tuna and loins and discs of tuna supplied the necessary raw material for an increased pack. Fourty-four percent of the total 1959 domestic tuna pack was canned from imported fish. Canned tuna prices remained relatively low--a factor which with the continuous popularity of tuna has resulted in a rising volume of consumption.

Salmon:--The 1959 United States pack of canned salmon was extremely disappointing amounting to only 2.5 million cases valued at 72 million dollars. This was a decline of 34 percent in volume and 23 percent in value compared with the 1958 production. Ironically, a year earlier--1958--had been considered an unusually poor year. In Alaska the production of all species except red or sockeye was less than in 1958 and the pack was the smallest since 1900. Although 1959 was a pink salmon year on Puget Sound, the catch was low and supplies of silver and chum salmon were down. The total Washington and Oregon pack was below normal.

Mackerel:--The pack of Pacific and jack mackerel totaled 587 thousand standard cases valued at 4.2 million dollars--a gain of 45 percent in volume and 59 percent in value compared with that of the previous year. Although better than in 1958, fishing was not considered good and the pack was far less than the 1947-1958 average of over one million cases. Due to the relative scarcity of fish, the market for canned Pacific mackerel was strong and that for canned jack mackerel remained steady throughout most of the year.

Anchovies:-- The California pack of anchovies, reflecting the continuous and mysterious shortage of this species in California waters, amounted to only 4 thousand cases--a far cry from the 53 thousand-case and 440 thousand-case packs of 1958 and 1957. Despite the small supply, market conditions were not favorable for canned anchovies and a portion of the catch was utilized as bait and diverted into the production of canned pet food.

Sardines:--The sardine industry in California was unsettled as the 1959 season opened. Fish were available but the market for canned sardines was depressed by the carry-over of stocks from the 1958 pack, sluggishness of the domestic market, and increased competition in the export markets. Fishing was delayed by a price dispute and the season ended with the pack amounting to only 755 thousand cases, 66 percent less than in the previous year.

Production of Maine sardines totaled 1.8 million cases valued at 14.9 million dollars to the packers. The volume was 17 percent less than in 1958 while the value was down about 6 percent.

Oysters:--A surprisingly larger crop of oysters for canning in the Gulf area offset the decline in the quantities of oysters canned along the East and West Coasts. The pack of canned oysters amounted to 421 thousand cases valued at 5.7 million dollars to the canners representing an increase of 6 percent in volume and 5 percent in value compared with 1958. It is possible that greater fishing effort expended by fishermen in the Gulf was primarily responsible for the increase in that area. Production of oyster stew totaled 147 thousand standard cases in 1959--an increase of 9 percent compared with that of the previous year.

Shrimp:--The pack of canned shrimp totaled 922 thousand cases valued at 16.9 million dollars. In the South Atlantic and Gulf States, the major production area, the pack amounted to 753 thousand cases, while that along the Pacific States totaled 169 thousand cases. Canning of shrimp first became possible on the Pacific Coast in 1957 when mechanical means of picking shrimp meats were introduced from the Gulf of Mexico. In that year the Pacific Coast pack amounted to 49,000 cases. Growth of the shrimp canning industry in Alaska has been remarkable. In 1957 the pack totaled 16 thousand cases, while in 1958 it rose to 51 thousand cases, and in 1959 to 104,000 cases.

Animal Food:--Since 1947, when the pack of fish for animal food amounted to only 910 thousand cases, the pack has shown growth, increasing in volume each year except 1951. In 1959, for the second time, the annual production failed to meet the volume produced in the previous year. The 1959 pack (7.2 million cases valued at 37 million dollars) was 4 percent less in volume and 12 percent less in value than that of 1958. In 1959 only the packs of tuna and salmon yielded canners a greater return.

Byproducts:--Menhaden landings (2.2 billion pounds) were the largest in history. As a result, total fish meal production in 1959 amounted to a record 307 thousand tons--58 thousand tons more than was produced in 1958. Fish and fish-liver oil production (25 million gallons) was 2.9 million gallons greater than in the previous year. The production of fish solubles and homogenized-condensed fish totaled 331 million pounds--a new record. The increase in the domestic production of fish meal and solubles coupled with heavy imports of these products caused prices to decline sharply late in the year.

Other important byproducts produced during the year included marine pearl-shell, oyster-shell, and fresh-water mussel-shell products, valued at 9.2 million dollars, and agar-agar, glue, seaweed products, liquid fertilizer, and pearl essence, valued at nearly 14 million dollars.

SUMMARY OF PRODUCTION, BY COMMODITIES, 1959

PRODUCT	NUMBER OF PLANTS	STANDARD CASES	POUNDS PER CASE	POUNDS	VALUE
CANNED PRODUCTS:					
FOR HUMAN CONSUMPTION:					
SALMON	104	2,465,538	48	118,345,824	$71,852,280
SARDINES:					
MAINE	31	1,753,145	23.4	41,023,593	14,902,142
PACIFIC	16	754,571	45	33,955,695	5,399,228
ANCHOVIES	4	4,275	31.25	133,594	29,444
TUNA:					
SOLID	36	3,420,348	21	71,827,308	45,316,386
CHUNKS	29	9,306,567	19.5	181,478,056	102,286,827
FLAKES AND GRATED	31	1,604,798	18	28,886,364	11,539,400
TOTAL	1/37	14,331,713	-	282,191,728	159,142,613
TUNALIKE FISHES	10	57,505	21-19.5-18	1,070,517	382,932
ALEWIVES	12	72,893	45	3,280,185	340,459
MACKEREL	18	586,818	45	26,406,810	4,234,735
SHAD	5	4,416	45	198,720	29,515
FISH CAKES (PRINCIPALLY GROUNDFISH)	5	91,500	48	4,392,000	1,238,350
FISH FLAKES (GROUNDFISH), PASTE AND SPREAD	5	12,450	48	597,600	340,171
GEFILTE FISH	5	246,100	48	11,812,800	4,371,467
FISH, SMOKED AND KIPPERED (SALMON, STURGEON, AND SHAD)	18	2,011	48	96,528	138,579
TUNA SPECIALTIES (WITH NOODLES, SHERRY, BEANS, AND CREAM SAUCE; AND TUNA SAUSAGES)	7	78,182	48	3,752,736	1,508,629
MISCELLANEOUS FISH SPECIALTIES	8	53,850	48	2,584,800	667,896
FISH ROE AND CAVIAR	23	52,414	48	2,515,872	1,735,897
CRABMEAT, NATURAL	38	150,890	19.5	2,942,355	3,548,677
CRAB SPECIALTIES (DEVILED, SOFT SHELL, SPREAD, NEWBURG, BISQUE, AND SOUP)	5	5,694	48	273,312	78,738
LOBSTER SPECIALTIES (MEAT, SPREAD, DIP, SOUPS, AND STEWS)	6	7,685	48	368,880	236,102
SHRIMP, NATURAL	46	922,150	15	2/13,832,250	16,948,470
SHRIMP SPECIALTIES	7	3,710	48	178,080	50,947
CLAMS AND PRODUCTS:					
WHOLE CLAMS	14	18,766	15	3/281,490	288,562
MINCED	24	760,765	15	3/11,411,475	5,133,451
CHOWDER	17	1,117,200	30	3/33,516,000	7,390,436
JUICE (BOUILLON, BROTH, AND NECTAR)	10	65,295	30	3/1,958,850	478,379
TOTAL	1/41	1,962,026	-	47,167,815	13,290,828
CLAM SPECIALTIES (CAKES, DIP, SPREAD, SAUCE, IN SHELL, SMOKED, BISQUE, AND STEW)	7	19,118	48	917,664	349,126
CONCH MEAT AND CHOWDER	4	5,833	48	279,984	176,550
OYSTERS, NATURAL	28	421,117	14	5,895,638	5,720,918
OYSTER SPECIALTIES (SMOKED, STEW, AND SOUPS)	-	147,158	48	7,063,584	1,901,999
SQUID	12	323,030	48	15,505,440	1,378,344
TERRAPIN AND TURTLE (MEAT, SOUP, AND STEW)	5	15,037	48	721,776	244,216
MISCELLANEOUS SHELLFISH SPECIALTIES	5	2,107	48	101,136	47,382
TOTAL FOR HUMAN CONSUMPTION	1/324	24,552,936	-	627,606,916	310,286,634
BAIT AND ANIMAL FOOD:					
ANIMAL FOOD	51	7,210,467	48	346,102,416	37,077,034
SALMON EGGS FOR BAIT	7	18,386	48	882,528	912,372
TOTAL BAIT AND ANIMAL FOOD	58	7,228,853	-	346,984,944	37,989,406
GRAND TOTAL, CANNED	1/359	31,781,789	-	974,591,860	348,276,040
		UNIT		QUANTITY	VALUE
BYPRODUCTS:					
MARINE ANIMAL SCRAP AND MEAL	150	TONS		306,551	$35,925,865
MARINE ANIMAL OILS:					
BODY OIL	89	GALLONS		24,945,051	12,791,473
LIVER OIL	4	DO		32,873	300,503
MARINE PEARL-SHELL BUTTONS	16	GROSS		1,718,094	3,166,190
MUSSEL-SHELL PRODUCTS, FRESH-WATER	11	-		-	1,093,142
OYSTER-SHELL PRODUCTS	18	TONS		399,338	4,937,182
FISH SOLUBLES AND HOMOGENIZED-CONDENSED FISH	52	POUNDS		330,717,427	10,043,051
MISCELLANEOUS BYPRODUCTS	14	-		-	13,830,120
TOTAL BYPRODUCTS	1/211	-		-	82,087,526
GRAND TOTAL	1/525	-		-	430,363,566

1/ EXCLUSIVE OF DUPLICATION. 2/ DRAINED WEIGHT. 3/ "CUT OUT" OR "DRAINED" WEIGHTS OF CAN CONTENTS ARE GIVEN FOR WHOLE OR MINCED CLAMS, AND NET CAN CONTENTS FOR OTHER CLAM PRODUCTS.

NOTE:--LISTS OF CANNERS AND MANUFACTURERS OF FISHERY BYPRODUCTS BY INDIVIDUAL COMMODITIES MAY BE OBTAINED FROM THE FISH AND WILDLIFE SERVICE, WASHINGTON 25, D. C.

SUMMARY OF PRODUCTION, 1959

STATE	CANNED		BYPRODUCTS	TOTAL
	POUNDS	VALUE	VALUE	VALUE
MAINE	94,210,602	$23,966,531	$4,808,057	$28,774,588
MASSACHUSETTS, RHODE ISLAND, CONNECTICUT	66,345,576	8,293,157	7,955,879	16,249,036
NEW YORK	13,096,232	3,234,090	2,026,334	5,260,424
NEW JERSEY	35,666,158	10,923,404	7,039,898	17,963,302
PENNSYLVANIA, DELAWARE	9,592,230	2,373,007	5,492,315	7,865,322
MARYLAND, AMERICAN SAMOA, HAWAII, PUERTO RICO.	50,002,503	25,898,742	1,206,569	27,105,311
VIRGINIA	6,987,729	899,308	7,422,834	8,322,142
NORTH CAROLINA, SOUTH CAROLINA	2,390,055	1,516,880	5,892,302	7,409,182
GEORGIA, FLORIDA, ALABAMA.	669,727	795,924	4,150,682	4,946,606
MISSISSIPPI.	89,883,813	13,301,468	3,747,431	17,048,899
LOUISIANA, TEXAS	11,112,763	12,921,849	13,975,096	26,896,945
ILLINOIS, MICHIGAN, OHIO, WISCONSIN.	3,213,600	390,851	-	390,851
IOWA, MISSOURI	-	-	1,092,036	1,092,036
WASHINGTON	50,880,763	28,034,236	363,068	28,397,304
OREGON	26,197,448	16,870,901	464,585	17,335,486
CALIFORNIA	425,704,183	145,427,578	14,362,325	159,789,903
ALASKA	88,638,478	53,428,114	2,088,115	55,516,229
TOTAL	974,591,860	348,276,040	82,087,526	430,363,566

FACTORS USED TO CONVERT STANDARD CASES TO POUNDS

PRODUCTS	PRIOR TO 1938	1939 AND 1940	1941	1942	1943
	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE
SARDINES:					
MAINE	25	25	25	25.3	20.3
PACIFIC	48	48	48	45	45
TUNA AND TUNALIKE FISHES:					
SOLID	24	24	21	22.5	22.5
CHUNKS	-	-	-	-	-
FLAKES	24	24	21	18	18
MACKEREL	48	48	48	45	45
ALEWIVES	48	48	48	48	45
ANCHOVIES.	48	48	48	48	48
SHAD	48	48	48	48	48
FISH FLAKES.	48	48	48	48	48
OYSTERS.	15	15	15	15	22.5
SHRIMP:					
WET PACK	17.25	17.25	17.25	21	21
DRY PACK	15	15	15	19.5	19.5
CLAM PRODUCTS:					
WHOLE AND MINCED	15	15	15	15	15
JUICE, CHOWDER, BROTH, ETC.	30	30	30	30	30
CRABS.	48	39	39	39	39
ALL OTHERS	48	48	48	48	48

PRODUCTS	1944 TO 1947	1948 TO 1951	1952	1953 TO 1957	1958 AND 1959
	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE
SARDINES:					
MAINE	20.3	20.3	20.3	20.3	23.4
PACIFIC	45	45	45	45	45
TUNA AND TUNALIKE FISHES:					
SOLID	21	21	21	21	21
CHUNKS	(1)	(1)	19.5	19.5	19.5
FLAKES	18	18	18	18	18
MACKEREL	45	45	45	45	45
ALEWIVES	45	45	45	45	45
ANCHOVIES.	48	48	48	31.25	31.25
SHAD	45	45	45	45	45
FISH FLAKES.	42	42	42	48	48
OYSTERS.	22.5	14	14	14	14
SHRIMP:					
WET PACK	21	15	15	15	15
DRY PACK	-	-	15	15	15
CLAM PRODUCTS:					
WHOLE AND MINCED	15	15	15	15	15
JUICE, CHOWDER, BROTH, ETC.	30	30	30	30	30
CRABS.	39	19.5	19.5	19.5	19.5
ALL OTHER.	48	48	48	48	48

1/ PRIOR TO 1952 CHUNK PACK TUNA WAS INCLUDED WITH THE FLAKE PACK.

NOTE:--THE FACTORS LISTED ABOVE WERE USED IN CONVERTING THE STANDARD CASES REPORTED IN THE CANNED FISHERY PRODUCTS BULLETINS FOR THE YEARS INDICATED.

ALASKAN PACK OF SALMON, BY DISTRICTS, 1959

(STANDARD CASES)

SPECIES AND CAN SIZE	SOUTHEASTERN		CENTRAL		WESTERN		TOTAL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE	CASES	VALUE
CHINOOK OR KING:								
1-POUND TALL	839	$23,262	2,682	$77,601	17,665	$489,819	21,186	$590,682
1/2-POUND FLAT	495	22,689	9,054	340,207	14,249	572,719	23,798	935,615
4-POUND TALL	40	1,280	-	-	243	6,682	283	7,962
TOTAL	1,374	47,231	11,736	417,808	32,157	1,069,220	45,267	1,534,259
CHUM OR KETA:								
1-POUND TALL	144,872	2,908,139	188,295	3,902,681	42,214	802,383	375,381	7,613,203
1/2-POUND FLAT	10,664	241,948	9,980	211,970	6,972	167,592	27,616	621,510
4-POUND TALL	7,412	159,448	4,725	99,857	192	4,416	12,329	263,721
TOTAL	162,948	3,309,535	203,000	4,214,508	49,378	974,391	415,326	8,498,434
PINK:								
1-POUND TALL	397,855	9,384,368	140,722	3,217,646	12	276	538,589	12,602,290
1/2-POUND FLAT	56,134	1,432,965	9,520	231,760	20	533	65,674	1,665,258
4-POUND TALL	18,695	448,680	11,987	285,811	-	-	30,682	734,491
TOTAL	472,684	11,266,013	162,229	3,735,217	32	809	634,945	15,002,039
RED OR SOCKEYE:								
1-POUND TALL	26,557	926,930	77,555	2,762,629	317,044	10,597,215	421,156	14,286,774
1/2-POUND FLAT	33,589	1,525,896	78,788	3,333,758	44,336	2,039,479	156,713	6,899,133
4-POUND TALL	1,556	56,016	4,908	172,403	170	5,440	6,634	233,859
TOTAL	61,702	2,508,842	161,251	6,268,790	361,550	12,642,134	584,503	21,419,766
SILVER OR COHO:								
1-POUND TALL	25,060	715,257	24,627	717,764	1,430	37,347	51,117	1,470,368
1/2-POUND FLAT	25,785	866,202	8,262	283,171	1,661	59,058	35,708	1,208,431
4-POUND TALL	9,167	287,328	2,256	72,164	-	-	11,423	359,492
TOTAL	60,012	1,868,787	35,145	1,073,099	3,091	96,405	98,248	3,038,291
STEELHEAD:								
1/2-POUND FLAT	1	23	-	-	-	-	1	23
4-POUND TALL	-	-	49	1,098	-	-	49	1,098
TOTAL	1	23	49	1,098	-	-	50	1,121
GRAND TOTAL	758,721	19,000,431	573,410	15,710,520	446,208	14,782,959	1,778,339	49,493,910

SEE NOTE ON NEXT PAGE.

PACK OF SALMON, BY STATES, 1959

(STANDARD CASES)

SPECIES AND CAN SIZE	ALASKA		WASHINGTON		OREGON AND CALIFORNIA		TOTAL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE	CASES	VALUE
CHINOOK OR KING:								
1-POUND TALL 1/	21,186	$590,682	4,673	$105,775	2,894	$104,981	28,753	$801,438
1/2-POUND FLAT	23,798	935,615	12,402	446,884	2/49,577	2,079,964	85,777	3,462,463
1/4-POUND FLAT	-	-	2,482	112,873	6,495	336,199	8,977	449,072
4-POUND TALL	283	7,962	2,484	71,680	-	-	2,767	79,642
TOTAL	45,267	1,534,259	22,041	737,212	58,966	2,521,144	126,274	4,792,615
CHUM OR KETA:								
1-POUND TALL	375,381	7,613,203	140,989	2,889,436	1,898	36,536	518,268	10,539,175
1/2-POUND FLAT	27,616	621,510	3,695	84,194	2,120	46,550	33,431	752,254
4-POUND TALL	12,329	263,721	18,068	407,160	-	-	30,397	670,881
TOTAL	415,326	8,498,434	162,752	3,380,790	4,018	83,086	582,096	11,962,310
PINK:								
1-POUND TALL	538,589	12,602,290	112,241	2,553,940	-	-	650,830	15,156,230
1/2-POUND FLAT	65,674	1,665,258	53,890	1,426,205	13	375	119,577	3,091,838
1/4-POUND FLAT	-	-	435	13,159	-	-	435	13,159
4-POUND TALL	30,682	734,491	18,301	427,768	-	-	48,983	1,162,259
TOTAL	634,945	15,002,039	184,867	4,421,072	13	375	819,825	19,423,486
RED OR SOCKEYE:								
1-POUND TALL	421,156	14,286,774	36	1,344	-	-	421,192	14,288,118
1/2-POUND FLAT	156,713	6,899,133	102,675	4,621,452	10,007	467,998	269,395	11,988,583
1/4-POUND FLAT	-	-	34,238	1,811,932	5,165	265,561	39,403	2,077,493
4-POUND TALL	6,634	233,859	262	9,840	-	-	6,896	243,699
TOTAL	584,503	21,419,766	137,211	6,444,568	15,172	733,559	736,886	28,597,893
SILVER OR COHO:								
1-POUND TALL	51,117	1,470,368	4,032	126,232	96	2,934	55,245	1,599,534
1/2-POUND FLAT	35,708	1,208,431	23,945	850,234	2,219	71,254	61,872	2,129,919
1/4-POUND FLAT	-	-	45,643	1,998,867	11,746	482,449	57,389	2,481,316
4-POUND TALL	11,423	359,492	4,631	147,759	-	-	16,054	507,251
TOTAL	98,248	3,038,291	78,251	3,123,092	14,061	556,637	190,560	6,718,020
STEELHEAD:								
1/2-POUND FLAT	1	23	365	12,173	2,854	99,604	3,220	111,800
1/4-POUND FLAT	-	-	-	-	6,628	245,058	6,628	245,058
4-POUND TALL	49	1,098	-	-	-	-	49	1,098
TOTAL	50	1,121	365	12,173	9,482	344,662	9,897	357,956
GRAND TOTAL	1,778,339	49,493,910	585,487	18,118,907	101,712	4,239,463	2,465,538	71,852,280

1/ INCLUDES A SMALL QUANTITY PACKED IN OVAL CANS.

2/ INCLUDES A SMALL PACK PRODUCED IN CALIFORNIA.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT 1-POUND CANS, EACH CONTAINING 16 OUNCES. SALMON WERE CANNED IN 26 PLANTS IN WASHINGTON, 9 IN OREGON, 1 IN CALIFORNIA, AND 68 IN ALASKA. THE PACK OF SMOKED SALMON IS INCLUDED IN THE TABLE OF MISCELLANEOUS CANNED PRODUCTS.

WASHINGTON AND OREGON SALMON PACK, BY DISTRICTS, 1959

(STANDARD CASES)

SPECIES	PUGET SOUND		COLUMBIA RIVER		COASTAL		TOTAL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE	CASES	VALUE
CHINOOK OR KING. . .	10,221	$297,386	70,149	$2,942,503	1/637	$18,467	81,007	$3,258,356
CHUM OR KETA	156,074	3,244,307	6,250	127,751	4,446	91,818	166,770	3,463,876
PINK	184,448	4,410,178	-	-	432	11,269	184,880	4,421,447
RED OR SOCKEYE . . .	134,739	6,328,190	17,069	823,850	575	26,087	152,383	7,178,127
SILVER OR COHO . . .	76,377	3,054,784	14,931	586,739	1,004	38,206	92,312	3,679,729
STEELHEAD.	-	-	9,847	356,835	-	-	9,847	356,835
TOTAL	561,859	17,334,845	118,246	4,837,678	7,094	185,847	687,199	22,358,370

1/ INCLUDES A SMALL PACK PRODUCED IN CALIFORNIA.

PUGET SOUND SALMON PACK, BY ORIGIN OF FISH, 1959

(STANDARD CASES)

SPECIES	PUGET SOUND FISH	CANADIAN FISH	ALASKAN FISH	TOTAL
	CASES	CASES	CASES	CASES
CHINOOK OR KING.	7,160	2,950	111	10,221
CHUM OR KETA	44,400	105,298	6,376	156,074
PINK	178,209	-	6,239	184,448
RED OR SOCKEYE	132,111	-	2,628	134,739
SILVER OR COHO	52,582	6,174	17,621	76,377
TOTAL	414,462	114,422	32,975	561,859

NOTE:--A SMALL QUANTITY OF WASHINGTON COAST FISH IS INCLUDED WITH THE PUGET SOUND FISH.

PACK OF MAINE SARDINES, 1959

STYLE OF PACK	STANDARD CASES	VALUE	CAN CONTENTS AND CASE SIZE	ACTUAL CASES	VALUE
SOYBEAN OIL.	1,550,449	$13,113,131	3-3/4 OUNCES NET (100 CANS). .	1,701,972	$14,610,170
MUSTARD SAUCE.	144,352	1,286,401	12 OUNCES NET (48 CANS). . . .	6,081	70,079
TOMATO SAUCE	32,469	254,833	15 OUNCES NET (48 CANS). . . .	13,399	101,897
OLIVE OIL.	10,544	151,420	OTHER SIZES (CONVERTED TO		
OTHER 1/	15,331	96,357	3-3/4 OUNCES NET - 100 CANS).	16,325	119,996
TOTAL	1,753,145	14,902,142	TOTAL	1,737,777	14,902,142

1/ INCLUDES SMALL QUANTITIES PACKED NATURAL AND IN PEANUT OIL, COTTONSEED OIL, COCKTAIL SAUCE, AND WITH CHILI PEPPERS.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE UNIFORM BASIS OF ONE HUNDRED 1/4 OIL CANS (3-3/4 OUNCES NET) TO THE CASE. SARDINES WERE CANNED IN 31 PLANTS IN MAINE.

PACK OF PACIFIC SARDINES, 1959

STYLE OF PACK	STANDARD CASES	VALUE	CAN CONTENTS AND CASE SIZE	ACTUAL CASES	VALUE
NATURAL.	121,778	$691,926	1 POUND CAN:		
IN TOMATO SAUCE. . . .	603,293	4,463,881	15 OUNCES NET, OVAL (48 CANS)	457,217	$3,381,732
IN MUSTARD SAUCE . . .	19,047	143,507	15 OUNCES NET, TALL (48 CANS)	216,066	1,260,249
OTHER (IN TOMATO AND			7-1/2 OUNCES NET (48 CANS) . .	9,830	68,647
OLIVE OIL, SPICED,			5 OUNCES NET (100 CANS). . . .	109,978	688,600
AND NATURAL FILLETS)	10,453	99,914			
TOTAL	754,571	5,399,228	TOTAL	793,091	5,399,228

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE UNIFORM BASIS OF FORTY-EIGHT 1-POUND CANS (15 OUNCES NET). SARDINES WERE CANNED IN 16 PLANTS IN CALIFORNIA.

PACK OF TUNA, 1959

(STANDARD CASES)

SPECIES	CALIFORNIA		WASHINGTON AND OREGON		ATLANTIC AND GULF COASTS, HAWAII, AND U. S. TERRITORIES		TOTAL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE	CASES	VALUE
ALBACORE:								
SOLID PACK. . . .	1,025,929	$13,653,541	699,385	$9,817,566	460,563	$6,016,856	2,185,877	$29,487,963
CHUNKS.	400,260	4,865,361	49,006	579,751	(1)	(1)	449,266	5,445,112
FLAKES AND GRATED	213,147	1,501,459	141,781	1,085,060	105,563	720,165	460,491	3,306,684
TOTAL.	1,639,336	20,020,361	890,172	11,482,377	566,126	6,737,021	3,095,634	38,239,759
BLUEFIN:								
SOLID PACK. . . .	26,427	307,198	-	-	(1)	(1)	26,427	307,198
CHUNKS.	295,062	3,386,470	-	-	(1)	(1)	295,062	3,386,470
FLAKES AND GRATED	37,577	272,529	-	-	(1)	(1)	37,577	272,529
TOTAL.	359,066	3,966,197	-	-	-	-	359,066	3,966,197
SKIPJACK:								
SOLID PACK. . . .	191,219	2,487,035	-	-	(1)	(1)	191,219	2,487,035
CHUNKS.	2,527,938	29,376,576	-	-	(1)	(1)	2,527,938	29,376,576
FLAKES AND GRATED	400,688	2,985,287	-	-	(1)	(1)	400,688	2,985,287
TOTAL.	3,119,845	34,848,898	-	-	-	-	3,119,845	34,848,898
YELLOWFIN: 2/								
SOLID PACK. . . .	714,346	9,268,331	6,616	75,427	72,469	836,125	793,431	10,179,883
CHUNKS.	4,116,570	43,830,825	371,270	3,439,672	820,818	8,755,699	5,308,658	56,026,196
FLAKES AND GRATED	509,441	3,710,572	11,403	79,668	142,006	865,103	662,850	4,655,343
TOTAL.	5,340,357	56,809,728	389,289	3,594,767	1,035,293	10,456,927	6,764,939	70,861,422
UNCLASSIFIED:								
TONNO, SOLID PACK	190,709	2,552,852	-	-	-	-	190,709	2,552,852
OTHER:								
SOLID PACK. .	-	-	-	-	32,685	301,455	32,685	301,455
CHUNKS. . . .	-	-	-	-	725,643	8,052,473	725,643	8,052,473
FLAKES AND GRATED	818	14,060	-	-	42,374	305,497	43,192	319,557
TOTAL, UNCLASSIFIED. . . .	191,527	2,566,912	-	-	800,702	8,659,425	992,229	11,226,337
GRAND TOTAL. .	10,650,131	118,212,096	1,279,461	15,077,144	2,402,121	25,853,373	14,331,713	159,142,613

1/ INCLUDED WITH UNCLASSIFIED, OTHER THAN TONNO.

2/ INCLUDES A SMALL QUANTITY OF BIG-EYED TUNA IN CALIFORNIA AND HAWAII.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT NO. 1/2 TUNA CANS TO THE CASE, EACH CONTAINING 7 OUNCES NET WEIGHT OF SOLID PACK, 6-1/2 OUNCES NET WEIGHT OF CHUNKS, OR 6 OUNCES NET WEIGHT OF FLAKES OR GRATED. DIETETIC AND BABY FOOD TUNA PACKS ARE INCLUDED IN THESE TOTALS. TUNA WERE CANNED IN 16 PLANTS IN CALIFORNIA, 8 IN OREGON, 6 IN WASHINGTON, AND 1 PLANT EACH IN MAINE, MARYLAND, MISSISSIPPI, PENNSYLVANIA, AMERICAN SAMOA, HAWAII, AND PUERTO RICO. DATA ON THE PACK OF TUNA AND NOODLES AND OTHER TUNA SPECIALTY PRODUCTS CAN BE FOUND IN THE TABLE OF 'MISCELLANEOUS' CANNED FISHERY PRODUCTS.

PACK OF TUNA, BY CAN SIZES, 1959

CAN AND CASE SIZE	ACTUAL CASES	VALUE
4-POUNDS. . . . . (12 CANS)	33,500	$807,319
1-POUND . . . . . (48 CANS)	100,679	2,240,435
1/2-POUND . . . . . (48 CANS)	12,397,114	136,253,095
1/4-POUND . . . . . (48 CANS)	976,331	7,729,047
9-1/2 OUNCES. . . . . (24 CANS)	729,876	6,475,429
OTHER SIZES (CONVERTED TO STANDARD CASES)	658,768	5,637,288
TOTAL.	14,896,268	159,142,613

PACK OF TUNALIKE FISHES, 1959

SPECIES	STANDARD CASES	VALUE
BONITO AND YELLOWTAIL:		
SOLID PACK.	171	$1,320
CHUNKS.	23,276	156,836
FLAKES AND GRATED	34,058	224,776
TOTAL.	57,505	382,932

NOTE:--"STANDARD CASES" REPRESENT THE EQUIVALENT OF FORTY-EIGHT NO. 1/2 TUNA CANS TO THE CASE, EACH CONTAINING 7 OUNCES NET WEIGHT OF SOLID PACK, 6 TO 6-1/2 OUNCES NET WEIGHT OF CHUNKS, OR 6 OUNCES NET WEIGHT OF FLAKES OR GRATED. TUNALIKE FISHES WERE CANNED IN 10 PLANTS IN CALIFORNIA.

PACK OF ALEWIVES, 1959

STATE AND NUMBER OF PLANTS	STANDARD CASES	VALUE
MARYLAND (1), NORTH CAROLINA (4)	10,153	$52,423
VIRGINIA (7)	1/62,740	288,036
TOTAL (12)	72,893	340,459

1/ INCLUDES A SMALL PACK OF ALEWIVES WITH ROE.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS OF 15 OUNCES EACH. PRACTICALLY THE ENTIRE PACK WAS CANNED IN 15 OUNCE CANS.

PACK OF MACKEREL, 1959

ITEM	STANDARD CASES	VALUE
JACK MACKEREL:		
NATURAL	215,709	$1,499,800
IN TOMATO SAUCE AND HOT SAUCE	87,574	621,661
TOTAL	303,283	2,121,461
PACIFIC MACKEREL:		
NATURAL	282,238	2,100,764
IN TOMATO SAUCE AND HOT SAUCE	1,297	12,510
TOTAL	283,535	2,113,274
GRAND TOTAL	586,818	4,234,735

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS OF 15 OUNCES EACH. PRACTICALLY THE ENTIRE PACK WAS CANNED IN 15 OUNCE CANS. MACKEREL WERE CANNED IN 18 PLANTS IN CALIFORNIA.

PACK OF ANCHOVIES, 1959

STYLE OF PACK	STANDARD CASES	VALUE
IN TOMATO SAUCE, HOT SAUCE AND WITH SPICES	4,275	$29,444

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE UNIFORM BASIS OF 100 CANS, EACH CAN CONTAINING 5 OUNCES. ANCHOVIES WERE CANNED IN ONE PLANT IN NEW YORK AND 3 PLANTS IN CALIFORNIA.

PACK OF SHAD, 1959

STATE AND NUMBER OF PLANTS	STANDARD CASES	VALUE
VIRGINIA (1), WASHINGTON (1), AND OREGON (3)	4,416	$29,515

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS OF 15 OUNCES EACH.

PACK OF ANIMAL FOOD FROM FISHERY PRODUCTS, 1959

STATE AND NUMBER OF PLANTS	STANDARD CASES	VALUE	CAN AND CASE SIZE	ACTUAL CASES	VALUE
MAINE (3)	739,248	$4,421,676	8 OUNCES NET (48 CANS)	3,921,295	$13,538,359
MASSACHUSETTS (5)	1,291,860	6,952,339	16 OUNCES NET (48 CANS)	5,149,996	22,963,222
NEW YORK (1), NEW JERSEY (1), PENNSYLVANIA (3)	232,754	748,412	OTHER SIZES CONVERTED TO STANDARD CASES (16 OUNCES NET - 48 CANS)	99,823	575,453
MARYLAND (1), VIRGINIA (1), NORTH CAROLINA (1)	83,501	437,843			
MISSISSIPPI (5), ILLINOIS (1), MICHIGAN (1)	1,863,124	9,290,596			
WASHINGTON (2), OREGON (4)	130,376	757,484			
CALIFORNIA (20), AMERICAN SAMOA (1), PUERTO RICO (1)	2,869,604	14,468,684			
TOTAL (51)	7,210,467	37,077,034	TOTAL	9,171,114	37,077,034

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS, EACH CONTAINING 16 OUNCES.

PACK OF FISH ROE AND CAVIAR, 1959

PRODUCT AND NUMBER OF PLANTS	STANDARD CASES	VALUE	STATES OF PRODUCTION AND NUMBER OF PLANTS
ALEWIFE ROE (15)	38,176	$475,593	MARYLAND (1), VIRGINIA (9), AND NORTH CAROLINA (5)
SHAD ROE (4)	531	42,483	MARYLAND (1), OREGON (2), AND WASHINGTON (1)
GROUNDFISH ROE (1), LUMPFISH CAVIAR (1), AND STURGEON CAVIAR (1)	6,861	846,007	MASSACHUSETTS (1) AND NEW YORK (2)
SALMON CAVIAR (3)	4,820	262,700	NEW YORK (3)
WHITEFISH CAVIAR (4)	2,026	109,114	NEW YORK (3) AND WISCONSIN (1)
TOTAL EDIBLE ROE AND CAVIAR (23)	52,414	1,735,897	
SALMON EGGS FOR BAIT (7)	18,386	912,372	WASHINGTON (7)
GRAND TOTAL (30)	70,800	2,648,269	

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF 48 CANS, EACH CONTAINING 16 OUNCES.

PACK OF FISH ROE AND CAVIAR, BY STATES, 1959

STATE AND NUMBER OF PLANTS	STANDARD CASES	VALUE
MASSACHUSETTS (1) AND NEW YORK (3)	13,115	$1,182,199
MARYLAND (1) AND VIRGINIA (9)	26,366	333,583
NORTH CAROLINA (5)	11,816	142,640
WASHINGTON (8)	18,418	915,081
OREGON (2) AND WISCONSIN (1)	1,085	74,766
TOTAL (30)	70,800	2,648,269

PACK OF CRABMEAT, 1959

STATE AND NUMBER OF PLANTS	SPECIES	STANDARD CASES	VALUE	CAN CONTENTS AND CASE SIZE	ACTUAL CASES	VALUE
ATLANTIC AND GULF STATES: MAINE (1), NORTH CAROLINA (1), SOUTH CAROLINA (1), ALABAMA (2), MISSISSIPPI (1), AND LOUISIANA (2)	BLUE	1/40,999	$833,715	3-1/4 OUNCES NET (48 CANS)	6,359	$65,253
				6-1/2 OUNCES NET (24 CANS)		
				6-1/2 OUNCES NET (24 CANS)	171,395	1,978,718
PACIFIC STATES: WASHINGTON (11)	DUNGENESS	2/29,149	693,554	6-1/2 OUNCES NET (48 CANS)	37,154	906,562
OREGON (3) AND CALIFORNIA (1)	DUNGENESS	2/ 9,835	244,136			
ALASKA (10)	DUNGENESS	15,591	339,382	13 OUNCES NET (24 CANS)	17,275	429,996
ALASKA (5)	KING	55,316	1,437,890			
TOTAL (30)		109,891	2,714,962	OTHER SIZES CONVERTED TO STANDARD SIZES	7,582	168,148
GRAND TOTAL (38)		150,890	3,548,677	TOTAL	239,765	3,548,677

1/ INCLUDES A SMALL QUANTITY OF ROCK CRABS PACKED IN MAINE.

2/ INCLUDES A SMALL QUANTITY OF SMOKED DUNGENESS CRABS.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS TO THE CASE, EACH CONTAINING 6-1/2 OUNCES.

PACK OF CLAMS AND CLAM PRODUCTS, 1959

SPECIES, STATE, AND NUMBER OF PLANTS	STANDARD CASES					
	WHOLE AND MINCED		CHOWDER AND JUICE		TOTAL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE
SOFT CLAMS:						
MAINE (5)	9,904	$178,688	21,585	$124,606	31,489	$303,294
RAZOR CLAMS:						
WASHINGTON (4), OREGON (3).	4,405	82,878	-	-	4,405	82,878
ALASKA (7)	21,001	445,692	-	-	21,001	445,692
TOTAL RAZOR CLAMS (14)	25,406	528,570	-	-	25,406	528,570
HARD CLAMS: 1/						
MAINE (2), MASSACHUSETTS (1), RHODE ISLAND (1), CONNECTICUT (1), NEW YORK (2), NEW JERSEY (5), PENNSYLVANIA (2), DELAWARE (1) MARYLAND (1), NORTH CAROLINA (1)	722,867	4,592,576	1,149,704	7,671,506	1,872,571	12,264,082
WASHINGTON (5), CALIFORNIA (1)	21,354	122,179	11,206	72,703	32,560	194,882
TOTAL HARD CLAMS (23)	744,221	4,714,755	1,160,910	7,744,209	1,905,131	12,458,964
GRAND TOTAL (41)	779,531	5,422,013	1,182,495	7,868,815	1,962,026	13,290,828

1/ INCLUDES SURF AND PISMO CLAMS.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF 48 NO. 1 PICNIC CANS, EACH CAN OF WHOLE OR MINCED CLAMS CONTAINING 5 OUNCES OF MEAT, DRAINED WEIGHT; AND EACH CAN OF CHOWDER, JUICE, BROTH, BOUILLON, OR NECTAR, 10 OUNCES NET CONTENT. THE PACK OF CLAMS CANNED IN THE SHELL IS NOT INCLUDED IN THIS TABLE.

CLAM PRODUCTION, BY TYPE OF PACK, 1959

PRODUCT AND NUMBER OF PLANTS	STANDARD CASES	POUNDS	VALUE
WHOLE CLAMS (14)	18,766	281,490	$288,562
MINCED CLAMS (24)	760,765	11,411,475	5,133,451
CHOWDER (17)	1,117,200	33,516,000	7,390,436
CLAM JUICE (10)	65,295	1,958,850	478,379
TOTAL (41)	1,962,026	47,167,815	13,290,828

PACK OF OYSTERS, 1959

STATE AND NUMBER OF PLANTS	STANDARD CASES	VALUE	CAN CONTENTS AND CASE SIZE	ACTUAL CASES	VALUE
ATLANTIC AND GULF STATES:			ATLANTIC AND GULF STATES:		
NEW JERSEY (1), SOUTH CAROLINA (2), AND GEORGIA (1).	56,428	$685,750	4-2/3 OUNCES (24 CANS)	525,034	$3,709,207
MISSISSIPPI (8)	23,082	359,068	6-1/2 OUNCES (24 CANS)	35,657	292,594
LOUISIANA (11)	216,356	3,110,483	OTHER SIZES CONVERTED TO STANDARD CASES	8,514	153,500
TOTAL (23)	295,866	4,155,301	TOTAL	569,205	4,155,301
PACIFIC STATES:			PACIFIC STATES:		
WASHINGTON (4) AND OREGON (1)	125,251	1,565,617	4-2/3 OUNCES (24 CANS)	114,109	759,081
			6-1/2 OUNCES (24 CANS)	89,717	735,870
			OTHER SIZES CONVERTED TO STANDARD CASES	6,289	70,666
			TOTAL	210,115	1,565,617
GRAND TOTAL (28)	421,117	5,720,918	GRAND TOTAL	779,320	5,720,918

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS TO THE CASE, EACH CAN CONTAINING 4-2/3 OUNCES DRAINED WEIGHT.

PACK OF SHRIMP, 1959

STATE AND NUMBER OF PLANTS	STANDARD CASES	VALUE	CAN CONTENTS AND CASE SIZE	ACTUAL CASES	VALUE
ATLANTIC AND GULF STATES:			ATLANTIC AND GULF STATES:		
GEORGIA (1), ALABAMA (2), AND TEXAS (1)	53,098	$961,403	4-1/2 OUNCES (24 CANS)	1,002,608	$9,171,328
MISSISSIPPI (9)	193,836	3,873,529	5-OUNCES (24 CANS)	492,083	4,067,673
LOUISIANA (19)	506,072	9,385,854	OTHER SIZES CONVERTED TO STANDARD CASES	55,791	981,785
TOTAL (32)	753,006	14,220,786	TOTAL	1,550,482	14,220,786
PACIFIC STATES:			PACIFIC STATES:		
WASHINGTON (3) AND OREGON (2)	64,817	1,041,389	4-1/2 OUNCES (24 CANS)	368,381	2,671,923
ALASKA (9)	104,327	1,686,295	OTHER SIZES CONVERTED TO STANDARD CASES	3,374	55,761
TOTAL (14)	169,144	2,727,684	TOTAL	371,755	2,727,684
GRAND TOTAL (46)	922,150	16,948,470	GRAND TOTAL	1,922,237	16,948,470

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS TO THE CASE, EACH CAN CONTAINING 5 OUNCES. THE PACK OF SHRIMP WAS A WET PACK WITH THE EXCEPTION OF SMALL QUANTITIES IN LOUISIANA AND TEXAS THAT WERE PACKED DRY.

PACK OF MISCELLANEOUS FISHERY PRODUCTS, 1959

PRODUCT	STANDARD CASES	VALUE	LOCATION AND NUMBER OF PLANTS
FISH:			
CAKES (PRINCIPALLY GROUNDFISH)	91,500	$1,238,350	MAINE (1), MASSACHUSETTS (1), NEW JERSEY (1), VIRGINIA (1), WASHINGTON (1)
FLAKES (PRINCIPALLY GROUNDFISH, PASTE AND SPREAD)	12,450	340,171	MAINE (2), MASSACHUSETTS (1), NEW YORK (3), MARYLAND (1)
GEFILTE FISH	246,100	4,371,467	NEW YORK (2), NEW JERSEY (3)
SMOKED OR KIPPERED:			
SALMON	1,402	99,283	WASHINGTON (6), OREGON (2), CALIFORNIA (1), ALASKA (7)
STURGEON AND SHAD	609	39,296	WASHINGTON (5), OREGON (4)
TUNA SPECIALTIES (WITH NOODLES, SHERRY, BEANS, AND CREAMED SAUCE; AND TUNA SAUSAGES)	78,182	1,508,629	MAINE (1), MARYLAND (1), CALIFORNIA (5)
OTHER SPECIALTIES (SALTED COD, PACIFIC HERRING IN TOMATO SAUCE, ATLANTIC MACKEREL, SALMON LIVERS, SPEARFISH, WAHOO, CREAMED FINNAN HADDIE, FISH CHOWDER, AND HORS D'OEUVRES)	53,850	667,896	MAINE (2), MASSACHUSETTS (1), NEW JERSEY (1), VIRGINIA (1), WASHINGTON (1), CALIFORNIA (1), AMERICAN SAMOA (1)
TOTAL FISH	484,093	8,265,092	
SHELLFISH:			
CRAB SPECIALTIES (DEVILED, SOFT SHELL, SPREAD, NEWBURG, BISQUE, AND SOUP)	5,694	78,738	MAINE (1), NEW JERSEY (1), MARYLAND (2), SOUTH CAROLINA (1)
LOBSTER SPECIALTIES (MEAT, SPREAD, DIP, SOUPS AND STEWS)	7,685	236,102	MAINE (1), MASSACHUSETTS (1), NEW JERSEY (3), MARYLAND (1)
SHRIMP SPECIALTIES (DIP, SOUPS AND STEWS)	3,710	50,947	MAINE (1), NEW JERSEY (2), MARYLAND (2), LOUISIANA (2)
CLAM SPECIALTIES (CAKES, DIP, SPREAD, SAUCE, IN SHELL, SMOKED, BISQUE AND STEW)	19,118	349,126	MAINE (2), CONNECTICUT (1), PENNSYLVANIA (1), MARYLAND (1), WASHINGTON (2)
CONCH MEAT AND CHOWDER	5,833	176,550	NEW YORK (1), NEW JERSEY (1), DELAWARE (1), WEST COAST OF FLORIDA (1)
OYSTER SPECIALTIES:			
SMOKED	1,554	147,947	WASHINGTON (6)
STEW	143,767	1,736,797	NEW JERSEY (1), SOUTH CAROLINA (1), WASHINGTON (4), OREGON (1)
BISQUE AND SOUP	1,837	17,255	NEW JERSEY (1), MARYLAND (1), WASHINGTON (1)
SQUID	323,030	1,378,344	NEW YORK (1), NEW JERSEY (1), CALIFORNIA (10)
TERRAPIN AND TURTLE (MEAT, SOUPS, AND STEWS)	15,037	244,216	NEW JERSEY (1), PENNSYLVANIA (1), OHIO (1), WEST COAST OF FLORIDA (1), LOUISIANA (1)
OTHER SPECIALTIES (CRAWFISH, BISQUE, SMOKED MUSSELS IN OIL, FROG LEGS IN SAUCE, MISCELLANEOUS SOUPS AND STEWS)	2,107	47,382	MAINE (1), NEW JERSEY (1), LOUISIANA (3)
TOTAL SHELLFISH	529,372	4,463,404	
GRAND TOTAL	1,013,465	12,728,496	

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS, EACH CONTAINING 16 OUNCES NET WEIGHT.

PLANTS PRODUCING FISHERY PRODUCTS AND BYPRODUCTS, 1959

STATE AND AREA	CANNED PRODUCTS	BYPRODUCTS	TOTAL PLANTS, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER
NEW ENGLAND:			
MAINE	42	13	51
MASSACHUSETTS	8	7	13
CONNECTICUT	1	1	2
RHODE ISLAND	1	1	2
TOTAL	52	22	68
MIDDLE ATLANTIC:			
NEW YORK	10	4	14
NEW JERSEY	12	14	26
PENNSYLVANIA	7	2	9
DELAWARE	1	3	4
TOTAL	30	23	53
CHESAPEAKE BAY:			
MARYLAND	4	9	12
VIRGINIA	9	16	24
TOTAL	13	25	36
SOUTH ATLANTIC AND GULF:			
NORTH CAROLINA	7	19	21
SOUTH CAROLINA	3	2	5
GEORGIA	1	1	2
FLORIDA	1	6	7
ALABAMA	2	1	3
MISSISSIPPI	13	9	21
LOUISIANA	28	30	56
TEXAS	1	4	5
TOTAL	56	72	120
GREAT LAKES AND MISSISSIPPI RIVER:			
ILLINOIS	1	-	1
IOWA	-	8	8
MICHIGAN	1	-	1
MISSOURI	-	1	1
OHIO	1	-	1
WISCONSIN	1	-	1
TOTAL	4	9	13
PACIFIC COAST:			
WASHINGTON	60	13	73
OREGON	17	4	19
CALIFORNIA	37	33	47
ALASKA	87	7	93
TOTAL	201	57	232
HAWAII	1	1	1
AMERICAN SAMOA	1	1	1
PUERTO RICO	1	1	1
GRAND TOTAL	359	211	525

NUMBER OF PLANTS PRODUCING FISHERY BYPRODUCTS, 1959

PRODUCT	ATLANTIC AND GULF COASTS 1/	PACIFIC COAST AND TERRITORIES 2/	TOTAL
	NUMBER	NUMBER	NUMBER
MEAL AND SCRAP, DRIED:			
ANCHOVY	-	1	1
ALEWIFE	2	-	2
CRAB:			
BLUE	19	-	19
DUNGENESS	-	2	2
FUR SEAL	-	1	1
GROUNDFISH (INCLUDING OCEAN PERCH)	4	-	4
HERRING	7	8	15
HORSESHOE CRAB	1	-	1
MENHADEN	36	-	36
SARDINE (PACIFIC)	-	11	11
SALMON	-	1	1
SHRIMP	26	2	28
TUNA AND MACKEREL	-	24	24
WHALE	-	2	2
UNCLASSIFIED	25	9	34
OIL, BODY:			
ANCHOVY	-	1	1
ALEWIFE	3	-	3
FUR SEAL	-	1	1
GROUNDFISH (INCLUDING OCEAN PERCH)	3	-	3
HERRING	2	8	10
MENHADEN	35	-	35
SARDINE (PACIFIC)	-	13	13
SALMON:			
EDIBLE	-	2	2
INDUSTRIAL	-	2	2
TUNA AND MACKEREL	-	22	22
WHALE	-	2	2
UNCLASSIFIED	10	7	17
OIL, LIVER AND VISCERA:			
HALIBUT	1	-	1
SHARK	1	2	3
UNCLASSIFIED	1	1	2
MUSSEL-SHELL PRODUCTS (FRESH-WATER):			
BUTTONS	9	-	9
CRUSHED SHELL FOR POULTRY FEED	4	-	4
LIME AND SHELLS	4	-	4
OYSTER-SHELL PRODUCTS:			
CRUSHED SHELL FOR POULTRY FEED	5	6	11
SHELL LIME:			
BURNED	2	-	2
UNBURNED	8	5	13
MARINE PEARL-SHELL BUTTONS	16	-	16
AGAR-AGAR	-	1	1
FISH SOLUBLES AND HOMOGENIZED-CONDENSED FISH	38	14	52
GLUE	1	-	1
IRISH MOSS EXTRACTIVES	4	-	4
KELP PRODUCTS	1	2	3
LIQUID FERTILIZER	-	2	2
PEARL ESSENCE	4	-	4
TOTAL, EXCLUSIVE OF DUPLICATION	151	60	211

1/ INCLUDES FIRMS IN THE GREAT LAKES AND MISSISSIPPI RIVER.

2/ INCLUDES HAWAII, AMERICAN SAMOA, AND PUERTO RICO.

NOTE:--LISTS OF CANNERS AND MANUFACTURERS OF FISHERY BYPRODUCTS BY INDIVIDUAL COMMODITIES MAY BE OBTAINED FROM THE U. S. FISH AND WILDLIFE SERVICE, WASHINGTON 25, D. C.

PRODUCTION OF MARINE-ANIMAL SCRAP AND MEAL, 1959

PRODUCT	ATLANTIC AND GULF COASTS		PACIFIC COAST AND TERRITORIES		TOTAL	
	TONS	VALUE	TONS	VALUE	TONS	VALUE
DRIED SCRAP AND MEAL:						
CRAB	1/9,206	1/$444,462	(1)	(1)	9,206	$444,462
FUR SEAL	-	-	330	$25,787	330	25,787
HERRING	3,519	426,426	8,444	1,162,811	11,963	1,589,237
MENHADEN	223,893	26,391,987	-	-	223,893	26,391,987
SARDINE, PACIFIC	-	-	2,927	323,999	2,927	323,999
SHRIMP	1/627	1/38,657	(1)	(1)	627	38,657
TUNA AND MACKEREL	-	-	25,380	2,847,204	25,380	2,847,204
WHALE	-	-	1,881	263,374	1,881	263,374
UNCLASSIFIED	2/26,576	2/3,551,968	3/3,768	3/449,190	30,344	4,001,158
TOTAL	263,821	30,853,500	42,730	5,072,365	306,551	35,925,865

1/ A SMALL WEST COAST PRODUCTION IS INCLUDED WITH THE EAST COAST PRODUCTION.

2/ INCLUDES A SMALL PRODUCTION OF MEAL AND SCRAP FROM ALEWIVES, GROUNDFISH, OCEAN PERCH, AND HORSESHOE CRAB.

3/ INCLUDES A SMALL PRODUCTION OF MEAL AND SCRAP FROM ANCHOVIES, SALMON, AND BOTTOMFISH.

PRODUCTION OF MARINE-ANIMAL OIL, 1959

PRODUCT	ATLANTIC AND GULF COASTS		PACIFIC COAST		TOTAL	
	GALLONS	VALUE	GALLONS	VALUE	GALLONS	VALUE
BODY OIL:						
ALEWIFE	40,945	$21,856	-	-	40,945	$21,856
FUR SEAL	-	-	39,307	$17,688	39,307	17,688
HERRING	180,900	71,950	1,819,648	917,044	2,000,548	988,994
MENHADEN	20,628,278	10,743,781	-	-	20,628,278	10,743,781
SARDINE, PACIFIC	-	-	187,938	91,691	187,938	91,691
SALMON	-	-	43,943	50,215	43,943	50,215
TUNA AND MACKEREL	-	-	601,010	190,938	601,010	190,938
WHALE (INCLUDES SPERM)	-	-	521,398	264,906	521,398	264,906
UNCLASSIFIED	1/716,981	1/347,017	2/164,703	2/74,387	881,684	421,404
TOTAL	21,567,104	11,184,604	3,377,947	1,606,869	24,945,051	12,791,473
LIVER AND VISCERA OIL:						
SHARK	(3)	(3)	3/22,193	3/224,347	22,193	224,347
UNCLASSIFIED 4/	(3)	(3)	3/10,680	3/76,156	10,680	76,156
TOTAL	(3)	(3)	3/32,873	3/300,503	32,873	300,503
GRAND TOTAL	21,567,104	11,184,604	3,410,820	1,907,372	24,977,924	13,091,976

1/ INCLUDES GROUNDFISH AND OCEAN PERCH OILS.

2/ INCLUDES BOTTOMFISH AND ANCHOVY OILS.

3/ EAST COAST PRODUCTION INCLUDED WITH THE WEST COAST PRODUCTION.

4/ INCLUDES LIVER AND VISCERA OIL FROM HALIBUT, LINGCOD, SABLEFISH, SALMON, SHARKS, AND TUNA.

PRODUCTION OF FISH SOLUBLES AND HOMOGENIZED-CONDENSED FISH, 1959

PRODUCT, STATE, AND NUMBER OF PLANTS	POUNDS	VALUE
FISH SOLUBLES:		
MAINE (3), MASSACHUSETTS (2)	8,508,220	$297,737
NEW YORK (1), NEW JERSEY (3), AND DELAWARE (2)	71,507,040	1,700,970
VIRGINIA (5)	56,496,000	1,413,400
NORTH CAROLINA (5), FLORIDA (3)	22,549,840	669,524
MISSISSIPPI (4)	17,340,620	606,922
LOUISIANA (5), TEXAS (2)	47,347,720	1,420,400
CALIFORNIA (8), OREGON (1), AND ALASKA (5)	49,573,987	1,878,058
TOTAL (49)	273,323,427	7,987,011
HOMOGENIZED-CONDENSED FISH:		
MASSACHUSETTS (2), RHODE ISLAND (1)	57,394,000	2,056,040
GRAND TOTAL (52)	330,717,427	10,043,051

NOTE:--INCLUDES MENHADEN SOLUBLES.

MENHADEN USED FOR REDUCTION, BY STATES, 1959

STATE	MENHADEN UTILIZED	
	POUNDS	NUMBER OF FISH
MASSACHUSETTS, RHODE ISLAND, NEW YORK, NEW JERSEY, AND DELAWARE	703,610,270	1,050,164,582
VIRGINIA	404,404,630	603,589,000
NORTH CAROLINA	283,966,770	423,831,000
SOUTH CAROLINA, FLORIDA, AND TEXAS	185,060,700	276,210,000
MISSISSIPPI	174,082,080	259,824,000
LOUISIANA	442,740,020	660,806,000
TOTAL	2,193,864,470	3,274,424,582

NOTE:--INCLUDES SMALL QUANTITIES OF OTHER SPECIES.

PRODUCTION OF MENHADEN PRODUCTS, 1959

STATE AND NUMBER OF PLANTS	DRY SCRAP AND MEAL		OIL		SOLUBLES		TOTAL
	TONS	VALUE	GALLONS	VALUE	POUNDS	VALUE	VALUE
MASSACHUSETTS (2), RHODE ISLAND (1), NEW YORK (1), NEW JERSEY (3), AND DELAWARE (2)	69,204	$7,889,688	7,623,328	$3,717,540	72,980,330	$1,756,218	$13,363,446
VIRGINIA (5)	42,407	4,920,909	1,128,100	620,725	55,940,000	1,399,450	6,941,084
NORTH CAROLINA (8)	29,664	3,317,176	2,989,352	1,552,984	19,353,940	605,846	5,476,006
SOUTH CAROLINA (1), FLORIDA (3), AND TEXAS (2)	19,769	2,364,571	1,429,865	778,203	11,889,210	389,677	3,532,451
MISSISSIPPI (4)	16,831	2,103,875	1,865,267	1,016,571	17,340,620	606,922	3,727,368
LOUISIANA (5)	46,018	5,795,768	5,592,366	3,057,758	38,654,410	1,094,401	9,947,927
TOTAL (37)	223,893	26,391,987	20,628,278	10,743,781	216,158,510	5,852,514	42,988,282

NOTE:--INCLUDES SMALL QUANTITIES OF OTHER SPECIES.

PRODUCTION OF OYSTER-SHELL PRODUCTS, 1959

("LIVE" OR REEF SHELLS)

STATE AND NUMBER OF PLANTS	POULTRY GRIT		LIME, BURNED AND UNBURNED		TOTAL	
	TONS	VALUE	TONS	VALUE	TONS	VALUE
NEW JERSEY (1), PENNSYLVANIA (1), MARYLAND (1), AND VIRGINIA (3)	3,450	$69,775	10,381	$177,128	13,831	$246,903
NORTH CAROLINA (1), FLORIDA (1), ALABAMA (1), AND TEXAS (2)	361,803	4,371,308	794	6,167	362,597	4,377,475
WASHINGTON (3), OREGON (2), AND CALIFORNIA (2)	21,112	293,711	1,798	19,093	22,910	312,804
TOTAL (18)	386,365	4,734,794	12,973	202,388	399,338	4,937,182

NOTE:--A QUANTITY OF BURNED LIME WAS PRODUCED IN VIRGINIA.

PRODUCTION OF FRESH-WATER MUSSEL-SHELL PRODUCTS, 1959

STATE AND NUMBER OF PLANTS	BUTTONS		LIME, POULTRY GRIT, AND SHELLS		TOTAL
	GROSS	VALUE	TONS	VALUE	VALUE
IOWA (8), PENNSYLVANIA (1), MISSOURI (1), NEW YORK (1)	897,086	$1,022,373	10,335	$70,769	$1,093,142

NOTE:--THE LIME, POULTRY GRIT AND SHELLS WERE PRODUCED IN IOWA.

PRODUCTION OF MARINE PEARL-SHELL BUTTONS, 1959

STATE AND NUMBER OF PLANTS	GROSS	VALUE
CONNECTICUT (1), NEW YORK (2)	704,363	$1,180,137
NEW JERSEY (8)	446,586	1,272,457
PENNSYLVANIA (1), DELAWARE (1), MARYLAND (2), IOWA (1)	567,145	713,596
TOTAL (16)	1,718,094	3,166,190

PRODUCTION OF MISCELLANEOUS BYPRODUCTS, 1959

PRODUCT	STATE AND NUMBER OF PLANTS	TOTAL VALUE
AGAR-AGAR	CALIFORNIA (1)	$13,830,120
GLUE	MASSACHUSETTS (1)	
IRISH MOSS (EXTRACT)	MAINE (2), MASSACHUSETTS (1), AND NEW JERSEY (1)	
KELP PRODUCTS	CALIFORNIA (2) AND MAINE (1)	
LIQUID FERTILIZER	OREGON (1) AND WASHINGTON (1)	
PEARL ESSENCE	MAINE (4)	

PACK OF CANNED FISHERY PRODUCTS: STANDARD CASES - 1921 - 1959

YEAR	SALMON					
	WASHINGTON, OREGON AND CALIFORNIA		ALASKA		TOTAL SALMON	
	CASES	VALUE	CASES	VALUE	CASES	VALUE
1921-1930 AVE.	1,147,835	$11,916,541	4,860,058	$33,893,502	6,007,893	$45,810,043
1931-1940 AVE.	807,381	6,984,885	6,074,564	33,442,079	6,881,945	40,426,964
1941	899,589	11,199,317	6,932,040	56,217,601	7,831,629	67,416,918
1942	759,032	13,673,968	5,075,974	48,300,209	5,835,006	61,974,177
1943	275,889	5,110,847	5,428,318	57,824,267	5,704,207	62,935,114
1944	245,588	5,187,136	4,893,059	51,196,140	5,138,647	56,383,276
1945	557,769	7,942,102	4,350,471	44,644,303	4,908,240	52,586,405
1946	560,289	17,003,459	3,949,878	53,157,194	4,510,167	70,160,653
1947	1,329,226	31,969,134	4,312,172	88,666,301	5,641,398	120,635,435
1948	810,075	24,008,466	4,014,891	96,528,730	4,824,966	120,537,196
1949	1,133,325	22,167,812	4,391,601	81,263,171	5,524,926	103,430,983
1950	1,001,819	27,187,060	3,307,985	82,354,118	4,309,804	109,541,178
1951	1,161,274	29,388,514	3,484,299	79,237,355	4,645,573	108,625,869
1952	890,156	21,906,773	3,574,191	76,357,016	4,464,347	98,263,789
1953	1,049,547	24,067,839	2,862,312	58,172,629	3,911,859	82,240,468
1954	1,068,266	28,915,972	3,094,452	63,339,170	4,162,718	92,255,142
1955	903,816	24,507,762	2,384,820	56,848,555	3,288,636	81,356,317
1956	482,304	16,523,868	3,022,906	78,577,457	3,505,210	95,101,325
1957	743,003	23,245,194	2,463,599	62,904,280	3,206,602	86,149,474
1958	760,663	26,712,763	2,971,297	66,108,959	3,731,960	92,821,722
1959	687,199	22,358,370	1,778,339	49,493,910	2,465,538	71,852,280

YEAR	TUNA		TUNALIKE FISHES		MACKEREL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE
1921-1930 AVE.	1,017,364	$7,135,011	45,874	$236,069	1/ 229,293	1/ $979,927
1931-1940 AVE.	2,336,038	12,989,132	139,446	604,078	938,791	2,639,174
1941	2,556,922	17,605,146	374,659	1,792,741	935,001	3,503,718
1942	2,404,908	30,008,885	79,841	733,608	721,189	3,693,082
1943	2,579,815	30,541,893	116,258	888,296	937,251	5,271,203
1944	3,580,877	40,615,221	29,143	220,896	1,225,060	7,033,997
1945	4,442,101	46,713,477	89,464	693,974	692,748	4,046,691
1946	4,596,629	57,342,706	187,855	1,793,117	962,150	7,575,291
1947	5,447,554	85,093,328	446,941	5,515,847	1,754,950	15,018,633
1948	6,663,619	107,980,968	374,139	4,631,328	1,281,192	9,850,834
1949	7,130,453	96,039,797	159,867	1,670,528	1,049,927	6,848,930
1950	8,944,598	112,136,363	71,943	693,731	1,457,048	7,491,816
1951	8,131,274	98,102,229	105,451	943,977	1,048,518	6,259,224
1952	8,893,889	111,075,890	227,000	1,958,620	1,525,353	11,362,697
1953	9,407,059	124,744,195	172,967	1,513,413	596,321	5,038,512
1954	10,819,849	141,504,299	78,049	644,517	366,181	2,508,715
1955	9,933,580	125,222,513	4,815	36,551	564,429	3,333,979
1956	11,827,156	140,287,093	6,859	51,249	1,116,343	6,434,860
1957	11,891,011	135,812,882	12,079	94,021	1,326,584	7,403,682
1958	14,094,101	161,793,000	111,371	821,919	404,425	2,657,012
1959	14,331,713	159,142,613	57,505	382,932	586,818	4,234,735

YEAR	SARDINES				ANCHOVIES		ALEWIVES	
	MAINE		PACIFIC					
	CASES	VALUE	CASES	VALUE	CASES	VALUE	CASES	VALUE
1921-1930 AVE.	1,677,265	$6,031,760	1,953,474	$6,961,598	-	-	24,066	$77,558
1931-1940 AVE.	1,273,653	3,878,988	2,234,156	6,412,298	2/ 1,594	$4,982	27,986	73,056
1941	3,164,787	12,590,958	5,007,154	18,091,873	-	-	42,156	153,269
1942	2,873,246	12,162,451	3,744,624	15,509,964	262	6,493	77,232	399,555
1943	2,505,114	11,104,570	3,354,697	14,352,359	35	1,196	112,472	619,213
1944	3,261,984	14,819,803	3,650,919	15,225,919	-	-	135,995	793,254
1945	2,725,216	12,077,201	3,765,981	15,346,472	-	-	131,062	753,769
1946	3,276,338	20,275,590	2,977,170	19,895,649	-	-	193,980	1,180,197
1947	3,013,910	28,310,674	1,652,592	16,538,375	199,863	1,377,275	139,816	779,150
1948	3,682,392	29,359,114	2,654,149	21,892,893	102,903	755,458	123,134	639,356
1949	3,074,523	21,051,675	3,768,212	21,334,825	5,771	34,184	111,994	469,398
1950	3,844,164	21,209,033	5,070,805	26,345,609	38,096	227,496	69,568	316,993
1951	1,676,764	14,635,352	2,864,984	19,362,744	63,060	489,062	127,760	604,314
1952	3,530,876	21,502,970	106,746	918,072	674,286	4,737,391	79,861	374,680
1953	2,782,495	16,954,119	63,612	653,131	1,061,995	7,661,173	111,391	507,925
1954	2,934,933	18,152,815	1,338,101	9,817,893	505,972	2,772,701	65,716	290,550
1955	1,268,843	9,333,350	1,414,609	10,013,590	415,149	2,430,732	44,645	206,004
1956	2,231,441	16,692,008	754,734	5,734,498	612,302	3,360,586	40,805	164,940
1957	2,217,688	14,733,259	497,756	4,720,656	440,247	2,344,319	30,562	131,019
1958	2,099,959	15,873,963	2,222,586	16,497,157	53,735	308,848	51,182	231,339
1959	1,753,145	14,902,142	754,571	5,399,228	4,275	29,444	72,893	340,459

SEE FOOTNOTES AT END OF TABLE.

PACK OF CANNED FISHERY PRODUCTS: STANDARD CASES - 1921 - 1959 - CONTINUED

YEAR	FISH ROE, CAVIAR, AND EGGS FOR BAIT		ANIMAL FOOD		CRABMEAT	
	CASES	VALUE	CASES	VALUE	CASES	VALUE
1921-1930 AVE.	3/68,740	3/$820,057	4/13,495	4/ $42,451	1/ 2,870	$53,908
1931-1940 AVE.	55,807	873,544	350,706	858,850	20,870	177,540
1941	76,740	815,514	1,009,515	2,624,487	60,198	547,617
1942	53,190	910,890	104,954	374,718	114,548	1,755,065
1943	59,884	1,044,582	1,771	5,319	75,308	1,194,483
1944	55,677	824,197	-	-	86,942	1,361,458
1945	36,795	948,042	-	-	55,514	883,767
1946	58,192	1,905,638	-	-	199,078	4,720,119
1947	52,432	1,641,228	909,999	3,949,699	139,818	2,705,391
1948	50,629	1,473,320	1,323,808	6,971,003	220,802	4,846,494
1949	86,459	1,969,998	1,931,757	8,663,442	161,829	3,490,885
1950	71,557	1,908,559	2,721,463	13,871,430	137,203	3,121,269
1951	76,095	1,926,140	2,341,871	11,675,809	149,945	3,586,558
1952	64,080	1,681,010	3,497,733	15,667,950	86,058	2,087,019
1953	65,742	1,812,844	3,881,245	17,348,052	114,886	2,898,016
1954	61,147	1,874,937	4,027,368	18,419,757	154,522	3,699,293
1955	58,218	1,910,580	5,337,449	27,517,188	99,180	2,190,664
1956	63,053	1,957,045	6,688,039	32,715,455	124,667	2,720,848
1957	63,314	2,453,769	7,223,382	34,152,747	154,514	3,104,606
1958	64,020	2,695,580	7,503,248	41,959,061	143,809	3,070,355
1959	70,800	2,648,269	7,210,467	37,077,034	150,890	3,548,677

YEAR	CLAM PRODUCTS					
	WHOLE AND MINCED		CHOWDER, JUICE, BROTH, ETC.		TOTAL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE
1921-1930 AVE.	1/204,408	1/$1,341,341	1/304,481	1/$777,956	1/508,889	1/$2,119,297
1931-1940 AVE.	219,224	1,158,301	457,584	1,638,753	676,808	2,797,054
1941	169,955	891,209	757,388	2,819,820	927,343	3,711,029
1942	143,118	1,142,486	639,484	2,648,572	782,602	3,791,058
1943	116,430	1,091,489	348,364	1,710,931	464,794	2,802,420
1944	184,655	2,026,812	363,041	1,793,800	547,696	3,820,612
1945	366,603	4,430,988	533,429	2,960,110	900,032	7,391,098
1946	356,019	4,311,259	1,171,770	6,833,788	1,527,789	11,145,047
1947	106,226	1,346,289	1,151,424	7,295,946	1,257,650	8,642,235
1948	173,194	2,029,484	1,006,580	6,300,155	1,179,774	8,329,639
1949	297,977	3,203,325	888,083	5,575,693	1,186,060	8,779,018
1950	446,725	4,381,938	1,072,225	6,457,951	1,518,950	10,839,889
1951	390,747	4,674,252	1,110,861	7,099,657	1,501,608	11,773,909
1952	381,181	3,787,773	1,317,810	8,421,785	1,698,991	12,209,558
1953	314,002	3,892,749	1,331,333	8,737,054	1,645,335	12,629,803
1954	408,336	4,534,708	1,229,327	7,766,325	1,637,663	12,301,033
1955	458,182	4,332,274	1,259,144	7,725,052	1,717,326	12,057,326
1956	511,977	5,094,064	1,346,020	8,387,068	1,857,997	13,481,132
1957	653,522	5,118,046	1,294,981	8,198,608	1,948,503	13,316,654
1958	635,047	4,601,773	1,256,212	7,948,856	1,891,259	12,550,629
1959	779,531	5,422,013	1,182,495	7,868,815	1,962,026	13,290,828

YEAR	OYSTERS		SHRIMP		OTHER FISH AND SHELLFISH	TOTAL
	CASES	VALUE	CASES	VALUE	VALUE	VALUE
1921-1930 AVE.	520,205	$2,524,660	826,158	$4,475,680	$1/1,737,777	$77,965,913
1931-1940 AVE.	527,204	1,886,926	1,122,350	4,557,298	1,373,894	79,551,288
1941	657,045	2,997,114	884,874	4,882,544	1,951,229	138,684,157
1942	523,262	3,598,703	963,352	7,347,330	2,730,968	144,996,947
1943	345,868	2,821,556	660,436	5,360,647	2,245,941	141,188,792
1944	273,556	2,283,429	561,649	4,854,799	4,677,376	152,914,237
1945	225,964	2,029,953	214,971	1,918,633	7,411,089	152,800,571
1946	390,835	5,249,272	522,130	8,428,735	17,957,441	227,629,455
1947	410,487	4,259,485	472,366	8,192,004	8,020,161	310,678,920
1948	357,080	4,777,531	558,870	7,791,313	6,345,032	336,181,479
1949	452,918	6,525,207	664,721	11,203,325	3,991,710	295,503,905
1950	492,390	7,096,235	786,251	12,773,346	3,762,400	331,335,347
1951	466,334	5,931,276	871,171	12,187,049	5,106,783	301,210,295
1952	529,143	7,047,441	817,910	12,998,814	3,943,297	305,829,198
1953	488,908	6,559,309	1,016,116	18,946,622	7,366,092	306,873,674
1954	446,084	5,829,378	934,721	13,691,253	7,255,583	331,017,866
1955	559,602	7,003,967	901,038	13,562,310	6,990,290	303,165,361
1956	465,138	6,256,581	909,062	16,421,433	8,136,821	349,515,874
1957	498,676	7,008,471	608,001	13,135,880	11,267,620	335,829,059
1958	398,551	5,444,713	953,879	20,790,602	11,066,256	388,582,156
1959	421,117	5,720,918	922,150	16,948,470	12,758,011	348,276,040

1/ REPRESENTS 5-YEAR AVERAGE, 1926-1930. 2/ REPRESENTS 1933 PRODUCTION. 3/ REPRESENTS 4-YEAR AVERAGE, 1927-1930. 4/ REPRESENTS 3-YEAR AVERAGE, 1928-1930.

PRODUCTION OF FISHERY BYPRODUCTS, 1921 - 1959

YEAR	MENHADEN DRIED SCRAP AND MEAL		MENHADEN ACIDULATED SCRAP		HERRING MEAL	
	TONS	VALUE	TONS	VALUE	TONS	VALUE
1921-1930 AVE.	34,109	$1,587,175	28,374	$678,844	(1)	(1)
1931-1940 AVE.	38,412	1,389,592	18,530	322,304	14,560	$482,530
1941	75,316	4,008,355	11,029	242,792	12,520	847,116
1942	50,504	3,362,279	2,594	80,520	5,591	386,059
1943	66,357	4,766,672	1,555	58,821	9,170	690,280
1944	69,170	4,913,224	2,922	111,104	14,212	1,044,861
1945	77,451	5,483,377	1,557	62,200	14,344	1,120,042
1946	94,622	8,605,118	2,022	78,475	19,505	2,248,942
1947	98,602	10,883,852	632	26,863	18,453	2,649,474
1948	2/104,058	11,560,914	(2)	(2)	17,686	2,065,042
1949	2/113,393	17,813,339	(2)	(2)	5,298	973,445
1950	2/103,365	12,864,751	(2)	(2)	17,797	2,138,776
1951	2/115,464	13,879,523	(2)	(2)	9,631	1,370,083
1952	2/144,025	17,847,361	(2)	(2)	9,864	1,314,361
1953	174,752	21,767,205	-	-	5,206	717,472
1954	183,091	23,783,364	-	-	6,973	928,862
1955	190,628	25,457,512	-	-	7,671	1,163,464
1956	210,582	27,439,634	-	-	11,298	1,562,622
1957	172,388	21,725,888	-	-	13,891	1,861,961
1958	158,074	20,698,929	-	-	10,277	1,457,982
1959	223,893	26,391,987	-	-	11,963	1,589,237

YEAR	SARDINE (PACIFIC) MEAL		TUNA AND MACKEREL MEAL		OTHER MEAL, DRIED AND GREEN SCRAP	
	TONS	VALUE	TONS	VALUE	TONS	VALUE
1921-1930 AVE.	3/22,726	3/$1,241,001	3/ 3,047	3/$151,334	34,163	$1,638,101
1931-1940 AVE.	74,548	2,608,768	4/10,592	4/ 343,088	25,682	943,958
1941	97,979	5,942,272	8,693	484,886	31,307	1,570,152
1942	71,828	5,310,037	7,144	465,481	33,419	2,021,383
1943	75,611	5,775,932	7,766	505,199	29,944	1,832,248
1944	86,196	6,582,600	9,648	644,458	30,999	1,946,775
1945	60,860	4,643,694	10,273	705,976	36,190	2,390,049
1946	36,899	5,233,075	13,584	1,743,189	32,989	2,530,624
1947	16,715	2,556,038	19,761	2,998,321	32,276	3,265,803
1948	19,076	2,614,616	21,305	2,757,778	37,419	4,090,384
1949	39,278	6,219,717	19,139	3,073,742	60,072	7,571,899
1950	43,009	5,269,696	25,377	3,268,594	50,406	5,711,918
1951	17,225	2,266,968	23,147	3,021,720	44,289	4,835,603
1952	390	51,741	21,951	2,892,874	45,173	5,055,317
1953	144	18,966	20,029	2,622,631	38,720	4,433,379
1954	6,513	842,649	21,576	2,850,605	38,814	4,348,517
1955	6,966	968,908	23,396	3,120,302	35,841	4,039,282
1956	2,809	369,867	26,266	3,355,069	44,838	5,159,699
1957	1,474	183,330	25,716	3,037,436	50,616	5,783,140
1958	10,756	1,390,200	25,311	3,185,772	43,722	5,025,696
1959	2,927	323,999	25,380	2,847,204	42,388	4,773,438

YEAR	TOTAL SCRAP AND MEAL		OYSTER AND MARINE CLAM-SHELL PRODUCTS		FRESH-WATER MUSSEL-SHELL PRODUCTS	MARINE PEARL-SHELL PRODUCTS
	TONS	VALUE	TONS	VALUE	VALUE	VALUE
1921-1930 AVE.	122,419	$5,296,455	308,823	$2,455,768	5/$5,575,967	6/$4,544,147
1931-1940 AVE.	182,325	6,090,241	346,095	1,565,738	3,823,276	4,122,988
1941	236,844	13,095,573	438,407	1,985,253	3,037,350	6,236,714
1942	171,080	11,625,759	466,037	2,582,261	5,064,271	5,528,421
1943	190,403	13,629,152	509,285	2,820,986	3,782,028	4,696,593
1944	213,147	15,243,022	582,215	3,134,696	4,428,903	4,134,738
1945	200,675	14,405,338	507,096	2,573,717	4,844,647	3,286,245
1946	199,621	20,439,423	390,433	2,270,853	6,629,578	5,635,904
1947	186,439	22,380,351	501,393	3,263,158	8,166,000	7,902,000
1948	199,544	23,088,734	345,075	2,474,492	5,447,121	8,587,011
1949	237,180	35,652,142	362,028	2,662,252	3,767,703	6,782,281
1950	239,954	29,253,735	399,375	2,950,053	5,064,495	9,239,018
1951	209,756	25,373,897	453,319	3,568,745	3,845,661	7,714,846
1952	221,403	27,161,654	429,348	3,359,024	4,438,545	6,905,104
1953	238,851	29,559,653	466,732	3,830,276	5,357,849	7,403,894
1954	256,967	32,753,997	482,687	4,172,518	5,896,153	6,955,096
1955	264,502	34,749,468	359,565	3,148,658	4,787,020	6,606,363
1956	295,793	37,886,891	386,200	3,943,621	4,441,702	6,127,940
1957	264,085	32,591,755	478,568	5,200,589	3,333,369	5,754,892
1958	248,140	31,758,579	431,171	4,718,786	2,424,569	4,217,522
1959	306,551	35,925,865	399,338	4,937,182	1,093,142	3,166,190

SEE FOOTNOTES AT END OF TABLE.

PRODUCTION OF FISHERY BYPRODUCTS, 1921 - 1959 - CONTINUED

YEAR	MENHADEN OIL		HERRING OIL		SARDINE (PACIFIC) OIL	
	GALLONS	VALUE	GALLONS	VALUE	GALLONS	VALUE
1921-1930 AVE.	4,863,899	$1,969,152	2,063,436	$797,716	2,770,878	$1,156,437
1931-1940 AVE.	4,074,746	971,921	3,666,902	894,713	15,458,188	4,376,256
1941	6,034,050	2,829,441	3,041,315	1,563,545	18,125,147	9,879,290
1942	5,128,760	3,200,129	985,403	646,565	12,508,958	8,067,750
1943	5,734,668	3,892,142	1,727,441	1,129,446	13,947,295	9,301,593
1944	6,067,111	3,725,498	2,389,287	1,603,078	18,098,982	11,722,950
1945	8,335,094	5,656,550	2,663,546	1,786,040	11,852,994	7,926,147
1946	9,758,648	9,033,032	3,532,454	4,292,776	4,866,567	6,843,376
1947	8,473,371	11,425,497	3,875,025	4,144,643	2,103,965	2,677,453
1948	8,763,939	10,132,179	3,643,537	4,004,250	2,328,572	2,457,858
1949	8,293,911	3,407,510	723,350	394,297	6,123,140	2,872,532
1950	10,209,958	5,866,554	3,309,457	2,366,005	6,188,607	4,693,550
1951	12,537,115	9,771,154	1,512,814	1,205,384	1,942,586	1,545,937
1952	12,888,646	5,785,395	1,081,963	517,538	20,881	10,815
1953	17,824,477	8,806,317	718,632	360,533	13,128	6,402
1954	18,641,433	9,755,320	760,927	434,347	755,843	420,531
1955	21,232,141	12,195,454	1,091,016	668,681	897,711	521,566
1956	22,428,082	14,092,275	1,824,156	1,141,911	337,351	180,544
1957	15,797,919	9,466,198	1,880,733	1,138,978	87,495	54,615
1958	17,064,818	9,434,108	1,760,440	882,119	740,806	426,695
1959	20,628,278	10,743,781	2,000,548	988,994	187,938	91,691

YEAR	TUNA AND MACKEREL OIL		WHALE AND SPERM OIL		LIVER OIL	
	GALLONS	VALUE	GALLONS	VALUE	GALLONS	VALUE
1921-1931 AVE.	3/ 45,354	$13,933	1,403,568	$678,544	(7)	(7)
1931-1935 AVE.	7/ 252,982	7/ 65,054	3,111,112	1,203,892	322,122	$2,169,932
1941	250,517	100,048	34,058	15,907	1,233,242	14,871,588
1942	214,932	112,042	47,247	31,733	1,000,912	10,034,907
1943	219,044	131,906	37,964	30,406	851,854	14,841,970
1944	317,236	177,774	7,185	5,135	998,802	13,237,435
1945	304,143	173,452	-	-	804,288	11,202,207
1946	359,437	395,475	-	-	895,884	13,478,590
1947	748,017	958,998	66,374	70,007	832,510	11,643,468
1948	660,515	622,110	120,089	130,217	740,137	12,507,652
1949	597,935	265,736	74,950	52,475	834,357	9,845,455
1950	884,434	553,231	-	-	331,257	3,431,090
1951	712,620	525,552	68,500	50,200	299,575	2,579,347
1952	744,827	367,585	-	-	276,609	2,075,014
1953	659,176	314,586	-	-	204,331	1,436,627
1954	584,869	243,446	-	-	236,717	1,391,921
1955	544,937	264,225	-	-	218,897	588,739
1956	705,316	359,144	278,554	172,703	285,789	625,337
1957	738,279	397,334	436,850	214,152	152,651	542,031
1958	627,171	319,183	425,736	219,253	50,770	234,899
1959	601,010	190,938	521,398	264,906	32,873	300,503

YEAR	OTHER MARINE ANIMAL OIL		TOTAL OIL		OTHER BYPRODUCTS	GRAND TOTAL
	GALLONS	VALUE	GALLONS	VALUE	VALUE	VALUE
1921-1930 AVE.	7/ 459,292	$222,121	11,606,427	$4,837,903	$1,001,606	8/$17,948,654
1931-1940 AVE.	307,492	123,694	27,193,544	9,805,461	1,265,027	26,555,005
1941	565,298	334,395	29,283,627	29,594,214	2,851,970	56,801,074
1942	692,892	486,476	20,579,104	22,579,602	3,516,548	50,896,862
1943	597,950	485,391	23,116,216	29,812,854	4,394,653	59,136,266
1944	444,372	536,911	28,322,975	31,008,781	5,348,413	63,298,553
1945	541,787	491,326	24,501,852	27,235,722	5,864,937	58,210,606
1946	618,020	658,883	20,031,010	34,702,132	6,964,960	76,642,850
1947	633,630	830,596	16,732,892	31,750,662	7,130,156	80,592,327
1948	826,822	1,128,541	17,083,611	30,982,807	9,285,458	79,865,623
1949	1,048,190	526,972	17,695,833	17,364,977	12,243,140	78,472,495
1950	840,136	562,279	21,763,849	17,472,709	13,208,356	77,188,366
1951	1,099,099	946,069	18,172,309	16,623,643	12,186,235	69,313,027
1952	1,081,483	635,021	16,094,409	9,391,368	16,735,936	67,991,631
1953	874,374	557,441	20,294,118	11,481,906	16,738,418	74,371,996
1954	884,944	559,879	21,864,733	12,805,444	19,843,928	82,427,136
1955	913,158	629,949	24,897,860	14,868,614	19,175,279	83,335,402
1956	1,007,415	679,758	26,866,663	17,251,672	22,085,015	91,736,841
1957	1,254,726	805,921	20,348,653	12,619,229	21,881,134	81,380,968
1958	1,358,252	816,933	22,027,993	12,333,190	24,430,403	79,883,049
1959	1,005,879	511,163	24,977,924	13,091,976	23,873,171	82,087,526

1/ INCLUDED WITH "OTHER MEAL, DRIED AND GREEN SCRAP." 2/ A SMALL PRODUCTION OF ACIDULATED SCRAP IS INCLUDED WITH MENHADEN DRIED SCRAP AND MEAL. 3/ REPRESENTS 5-YEAR AVERAGE 1926-1930. 4/ REPRESENTS AVERAGE FOR 1932-1940. 5/ REPRESENTS AVERAGE FOR 1929 AND 1930. 6/ REPRESENTS VALUE OF PRODUCTION FOR 1930 ONLY. 7/ THE PRODUCTION OF LIVER OIL HAS BEEN INCLUDED WITH "OTHER MARINE ANIMAL OIL." 8/ VALUE OF MUSSEL-SHELL AND PEARL-SHELL PRODUCTS IS NOT INCLUDED, 1921-1925.

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